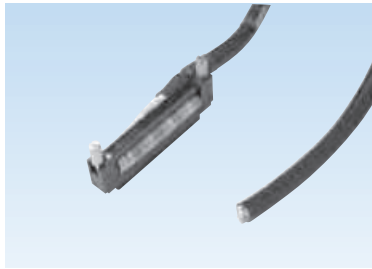


## Discrete cable (40-core cables)

(FCN 40P type)

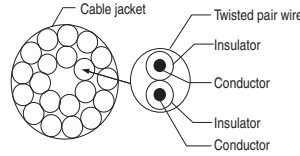
### FA-CBL\*\*FV



#### Specifications

Item	Specifications
Programmable controller-side connector	FCN367J040-AU/MW: Fujitsu Component
Conversion module-side connector	—
Used cable	Round 40-core cable (black)
Conductor configuration	7/0.127 wires/mm (AWG#28)
Insulator outer diameter	0.88mm (0.04 inch)
Cable outer diameter, color	9.5mm (0.38 inch) (standard), black
Rated current	1A
Conductor resistance (20°C)	0.232Ω/m or less
Dielectric withstand voltage	500VAC for 1 minute
Insulation resistance	5MΩ·km or more
UL standard (cable area)	UL STYLE NO 2464 80°C 300V

#### Structure diagram



Model	Cable length	Weight
FA-CBL20FV	2m (78.75 inch)	Approx. 270g
FA-CBL30FV	3m (118.12 inch)	Approx. 390g
FA-CBL50FV	5m (196.86 inch)	Approx. 610g

#### Wiring Diagram

CON1	Discrete cable	Discrete cable core wire identification	
		Core wire color	Dot color / No. of dots
B20		Pink	Black 4
A20		Pink	Red 4
B19		Yellow	Black 4
A19		Yellow	Red 4
B18		White	Black 4
A18		White	Red 4
B17		gray	Black 4
A17		gray	Red 4
B16		Orange	Black 4
A16		Orange	Red 4
B15		Pink	Black 3
A15		Pink	Red 3
B14		Yellow	Black 3
A14		Yellow	Red 3
B13		White	Black 3
A13		White	Red 3
B12		gray	Black 3
A12		gray	Red 3
B11		Orange	Black 3
A11		Orange	Red 3
B10		Pink	Black 2
A10		Pink	Red 2
B9		Yellow	Black 2
A9		Yellow	Red 2
B8		White	Black 2
A8		White	Red 2
B7		gray	Black 2
A7		gray	Red 2
B6		Orange	Black 2
A6		Orange	Red 2
B5		Pink	Black 1
A5		Pink	Red 1
B4		Yellow	Black 1
A4		Yellow	Red 1
B3		White	Black 1
A3		White	Red 1
B2		gray	Black 1
A2		gray	Red 1
B1		Orange	Black 1
A1		Orange	Red 1

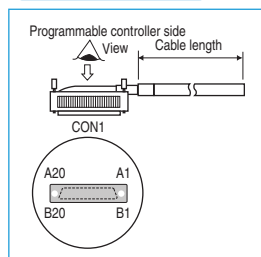
#### Features

- This round 40-core cable vertically comes out from the connector-type I/O module of programmable controllers of other companies.
- The cable comes out vertically from the FCN 40P connector to prevent poor contact, cutting, etc. due to the tension applied to the upper end of the core wire.

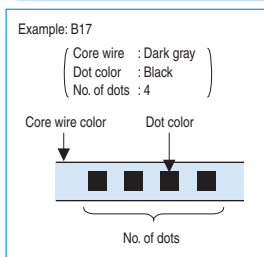
#### Related Materials

General Specifications 7-1

#### External Dimension



#### Core Wire Identification Diagram



## For MELSEC positive common input/sink output

(for FCN 40P ↔ MIL 40P)

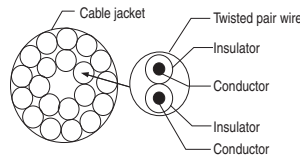
### FA-CBL\*\*FMV



#### Specifications

Item	Specifications
Programmable controller-side connector	FCN367J040-AU/MW: Fujitsu Component
Conversion module-side connector	D7940-7500SC, D3448-7940: Sumitomo 3M
Used cable	Round 40-core cable (black)
Conductor configuration	7/0.127 wires/mm (AWG#28)
Insulator outer diameter	0.88mm (0.04 inch)
Cable outer diameter, color	9.5mm (0.38 inch) (standard), black
Rated current	1A
Conductor resistance (20°C)	0.232Ω/m or less
Dielectric withstand voltage	500VAC for 1 minute
Insulation resistance	5MΩ·km or more
UL standard (cable area)	UL STYLE NO 2464 80°C 300V

#### Structure diagram



Model	Cable length	Weight
FA-CBL10FMV	1m (39.38 inch)	Approx. 160g
FA-CBL20FMV	2m (78.75 inch)	Approx. 270g
FA-CBL30FMV	3m (118.12 inch)	Approx. 390g
FA-CBL50FMV	5m (196.86 inch)	Approx. 590g

#### Wiring Diagram

CON1	CON2
B20	B20
A20	A20
B19	B19
A19	A19
B18	B18
A18	A18
B17	B17
A17	A17
B16	B16
A16	A16
B15	B15
A15	A15
B14	B14
A14	A14
B13	B13
A13	A13
B12	B12
A12	A12
B11	B11
A11	A11
B10	B10
A10	A10
B9	B9
A9	A9
B8	B8
A8	A8
B7	B7
A7	A7
B6	B6
A6	A6
B5	B5
A5	A5
B4	B4
A4	A4
B3	B3
A3	A3
B2	B2
A2	A2
B1	B1
A1	A1

Note 1: Connectable to source output modules QY82P and A1SY82.

#### Features

- This cable is used to connect a MELSEC-Q/AnS series FCN 40P connector-type I/O module and a MELSEC-dedicated 32-point conversion module.
- This round 40-core cable connects the FCN 40P (vertical) connector of the MELSEC-Q/AnS series connector-type I/O module and the MIL 40P connector of the other module. The cable vertically comes out from the FCN 40P connector.
- The cable comes out vertically from the FCN 40P connector to prevent poor contact, cutting, etc. due to the tension applied to the upper end of the core wire.
- This cable cannot be used with general-purpose 40P conversion modules.

#### Related Materials

General Specifications 7-1

#### External Dimension

